

Списък на научните трудове и учебни помагала на гл. ас. д-р маг.инж. Петър Тодоров Тодоров

I. Списък на научните публикации, включени в дисертация за придобиване на образователната и научна степен “доктор”

1. Emilia Naydenova, Margarita Topashka-Ancheva, **Petar Todorov**, Ts. Yordanova and Kolio Troev. Novel α -aminophosphonic acids. Design, characterization, and biological activity. - *Bioorganic and Medicinal Chemistry*, 14, 2190-2196, **2006**. (IF=2.624)
9 цитата
2. **Petar T. Todorov**, Emilia D. Naydenova, Margarita N. Topashka-Ancheva, Tsvetelina Yordanova and Kolio D. Troev. Synthesis, genotoxic and antiproliferative effects of new aminophosphonic acids. *Bulgarian Chemical Communication*, Volume 38, Number 1, pp. 20-23, **2006**.
3. **Petar Todorov**, Emilia D. Naydenova, Rosica Petrova, Boris Shivachev and Kolio D. Troev. [(4,4-Dimethyl-2-oxo-1,3-oxazolidin-3-yl)methyl]phosphonic acid. *Acta Crystallographica section C* 62, o661-o662, **2006**. (IF=0.896) 1 цитат
4. **Petar T. Todorov**, Emilia D. Naydenova, Georgi Momekov, Kolio D. Troev. Antitumor activity of new alpha-aminophosphonic acids and oligopeptides. *Peptides* **2006**, Rolka K., Rekowski P., Silberring J., (Eds.) *Proceeding of 29th European Peptide Symposium* 152-153, **2007**.

II. Списък на научните публикации, невяключени в дисертацията, представени за участие в конкурс за „доцент” по Органична химия.

A. Публикации в международни специализирани научни списания с импакт фактор:

1. Emilia D. Naydenova, **Petar T. Todorov**, Margarita N. Topashka-Ancheva, Georgi Ts. Momekov, Tsvetelina Z. Yordanova, Spiro M. Konstantinov and Kolio D. Troev. Novel N-(phosphonomethyl) glycine derivatives. Design, characterization and

biological activity. *European Journal of Medicinal Chemistry*, Volume 43, Issue 6, pp. 1199-1205, **2008**. (IF=2.882) 5 цитата

2. **Petar Todorov**, Emilia Naydenova, Julita Popova and Kolio Troev. Synthesis and Characterization of Novel (9H-Fluoren-9-ylamino)carbonylaminomethylphosphonic acid. *Heteroatom Chemistry*, 19, 7, 719 - 722, **2008**. (IF=1.155)
3. **Petar T. Todorov**, Rosica N. Petrova, Emilia D. Naydenova and Boris L. Shivachev. Structure, conformation and hydrogen bonding of two amino-cycloalkanespiro-5-hydantoins. *Central European Journal of Chemistry*, Volume 7, Number 1, pp. 14-19, **2009**. (IF=1.065) 2 цитата
4. **Petar Todorov**, Emilia Naydenova and Kolio Troev. Synthesis of Novel Aminophosphonic Acids with Hydantoin Structure. *Heteroatom Chemistry*, 20, 2, 87 – 90, **2009**. (IF=0.877) 2 цитата
5. Emilia D. Naydenova, **Petar T. Todorov** and Kolio D. Troev. Synthesis and Characterization of Novel Cycloalkanespiro-5-hydantoin Phosphonic Acids. *Phosphorus, Sulfur, and Silicon and the Related Elements*, 185 (7), 1315 - 1320, **2010**. (IF=0.621) 1 цитат
6. Emilia D. Naydenova, **Petar T. Todorov** and Kolio D. Troev. Resent Synthesis of Aminophosphonic Acids as Potential Biological Importance, *Review Articles. Amino Acids*, DOI 10.1007/s00726-009-0254-7, Volume 38, Number 1, pp. 23-30, **2010**. (IF=4.106) 18 цитата
7. **Petar Todorov**, Emilia Naydenova, Rosica Petrova, and Boris Shivachev. Monoammonium (R,S)-(5-methyl-2-oxo-1,3-oxazolidin-3-yl)methylphosphonic acid. *Acta Crystallographica section E*, **2010**, Volume E66, Part 1, pages o6. (IF=0.413)
8. **Petar Todorov** and Emilia Naydenova. Synthesis and Characterization of Novel Dipeptides with Hydantoin Moiety. *Comptes Rendus Chimie* **2010**, Volume 11, pp. 1424-1428. (IF=1.60)

9. Emilia D. Naydenova, **Petar T. Todorov**, Polina I. Mateeva, Rositza N. Zamfirova, Nikola D. Pavlov, Simeon B. Todorov. Synthesis and biological activity of novel small peptides with aminophosphonates moiety as NOP receptor ligands. *Amino Acids*, Volume 39, Number 5, pp. 1537-1543, **2010**. (IF=4.106) 2 цитата

10. **Petar T. Todorov**, Ogniana Aneva, Emilia D. Naydenova. Synthesis of Phosphorus-Containing Dipeptide Mimetics via Kabachnik-Fields Reaction. *Heteroatom Chemistry*, 22, 5, 669 – 672, **2011**. (IF=1.044)

11. **Petar Todorov**, Monique Calmes, Boris L. Shivachev, Rosica N. Petrova. (R)-methyl {[2-carboxybicyclo[2.2.2]octan-1-yl]ammonio}methyl}phosphonate 0.25 dichloromethane- solvate. *Acta Crystallographica section E*, **2011**, Volume E67, Part 8, pages o2152-o2153. (IF=0.413)

12. **Petar T. Todorov**, Nikola D. Pavlov, Monique Calmes, Boris L. Shivachev, Emilia D. Naydenova, Jean Martinez, Rosica N. Petrova. Synthesis of new racemic and optically active *N*-phosphonylalkyl bicyclic β -amino acids via Kabachnik-Fields reaction as potential biologically active compounds. *Heteroatom Chemistry*, DOI 10.1002/hc.20759, **2011** (IF=1.044)

13. **Petar T. Todorov**, Polina I. Mateeva, Rositza N. Zamfirova, Nikola D. Pavlov, Emilia D. Naydenova. Synthesis and biological activity of new series of N-modified analogues of the N/O/FQ(1-13)NH₂ with aminophosphonate moiety *Amino Acids*, **2011** - DOI: 10.1007/s00726-011-1177-7 (IF=4.106)

14. **Petar T. Todorov**, Diana W. Wesselinova, Nikola D. Pavlov, Jean Martinez, Monique Calmes, Emilia D. Naydenova. Cytotoxic activity of new racemic and optically active *N*-phosphonoalkyl bicyclic β -amino acids against human malignant cell lines. *Amino Acids*, **2012**, DOI : 10.1007/s00726-012-1217-y (IF=4.106)

15. **Petar Todorov**, Rosica Petrova, Emilia Naydenova, Boris Shivachev. Synthesis and X-ray crystal structure of spiro(fluoren-9,4'-imidazolidine)-2',5'-dione and (9H-fluoren-9-yl)urea, *Journal of Chemical Crystallography*, **2012**, DOI 10.1007/s10870-012-0280-2 (IF=0.666)

Б. Публикации в български специализирани научни списания:

1. G. Momekov, **P. Todorov**, E. Naydenova, A. Kostovski and K. Troev. Cytotoxic activity of new α -aminophosphonic acids against human malignant cell lines. *Pharmacia*, 54 (3-4), pp 9-11, **2007**.
2. Margarita N. Topashka-Ancheva, **Petar T. Todorov**, Tsvetelina Z. Gerasimova, Emilia D. Naydenova. GENOTOXIC AND ANTIPROLIFERATIVE EFFECTS OF RECENT SYNTHESIS OF HYDANTOIN-PHOSPHONIC DERIVATIVES. *Journal of the University of Chemical Technology and Metallurgy*, 46, 2, 191-196, **2011**.
3. Elena Dzhambazova, Adriana Bocheva, **Petar T. Todorov**, Nikola D. Pavlov, and Emilia D. Naydenova. NITRIC OXIDEERGIC SYSTEM INVOLVEMENT IN ANALGESIC EFFECTS OF NOCICEPTIN RECEPTOR LIGANDS WITH AMINOPHOSPHONATES MOIETY, *Comptes rendus de l'Académie bulgare des Sciences*, **2011**, 64 (11), 1617-1624. (IF=0.219)
4. Emilia Naydenova and **Petar Todorov**. NOCICEPTIN/ORPHANIN (N/OFQ) ANALOGUES: CHEMISTRY AND BIOLOGY. Review Articles. *Journal of the University of Chemical Technology and Metallurgy*, 46, 4, 333-348, **2011**.

В. Публикации от международни конференции, отпечатани в пълен текст в сборници с редактор:

1. **Petar T. Todorov**, Emilia D. Naydenova, Nikola Pavlov, Kolio D. Troev. Synthesis of novel hydantoin-phosphonic acids and dipeptides consist hydantoin structure with potential biological activity. *Peptides 2008*. Edited by Hilkka Lankinen, *Proceeding of 30th European Peptide Symposium*, 52-53, **2008**.
2. Emilia D. Naydenova, **Petar T. Todorov**, Nikola D. Pavlov, Elena B. Dzhambazova, and Adriana I. Bocheva. N/OFQ(1-13)NH₂ Analogues with Aminophosphonate Moiety: Synthesis and Analgesic Activity. *Peptides 2010. Proceedings of the 31st European Peptide Symposium Michal Lebl, Morten Meldal, Knud J. Jensen, Thomas Hoeg-Jensen (Editors) European Peptide Society*, 486-487, **2010**.

3. Adriana I. Bocheva, Elena B. Dzhambazova, **Petar T. Todorov**, Nikola D. Pavlov, Emilia D. Naydenova. Effects of naloxone and JTC-801 on analgesic activity of novel N/OFQ(1-13)NH₂ analogues. *Proceedings of the 22nd American Peptide Symposium Michal Lebl (Editor) American Peptide Society*, 340-341, **2011**.
4. Emilia D. Naydenova, Nikola D. Pavlov, **Petar T. Todorov**, Elena B. Dzhambazova, Adriana I. Bocheva. Analgesic effects of novel hexapeptide analogues as nociceptin receptor ligands. *Proceedings of the 22nd American Peptide Symposium Michal Lebl (Editor) American Peptide Society*, 356-357, **2011**.

Г. Учебни помагала

1. **Петър Тодоров**, „Записки по органична химия”, Издател: ХТМУ – София, **2011**, ISBN 978-954-465-049-0.

Общ Импакт фактор (IF): **28,423**

Индивидуален Импакт фактор (IF): **6,733**